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Zhiyuan Wu; Xiaofeng Wang;

[Communications Letters, IEEE](#)

Volume 10, Issue 8, Aug. 2006 Page(s):582 - 584

Digital Object Identifier 10.1109/LCOMM.2006.1665117

[AbstractPlus](#) | Full Text: [PDF\(255 KB\)](#) IEEE JNL[Rights and Permissions](#) **2. Iterative multiuser detection and error control code decoding in random (**

Zhenning Shi; Schlegel, C.;

[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)

Volume 54, Issue 5, May 2006 Page(s):1886 - 1895

Digital Object Identifier 10.1109/TSP.2006.872585

[AbstractPlus](#) | Full Text: [PDF\(480 KB\)](#) IEEE JNL[Rights and Permissions](#) **3. Adaptive receiver structures for asynchronous CDMA systems**

Rapajic, P.B.; Vucetic, B.S.;

[Selected Areas in Communications, IEEE Journal on](#)

Volume 12, Issue 4, May 1994 Page(s):685 - 697

Digital Object Identifier 10.1109/14.286675

[AbstractPlus](#) | Full Text: [PDF\(1176 KB\)](#) IEEE JNL[Rights and Permissions](#) **4. Data detection techniques for DS/CDMA mobile systems: a review**

Koulakiots, D.; Aghvami, A.H.;

[Personal Communications, IEEE \[see also IEEE Wireless Communications\]](#)

Volume 7, Issue 3, June 2000 Page(s):24 - 34

Digital Object Identifier 10.1109/98.847920

[AbstractPlus](#) | References | Full Text: [PDF\(812 KB\)](#) IEEE JNL[Rights and Permissions](#) **5. Iterative multiuser detection with integrated channel estimation for codecs**

Lampe, A.;

[Communications, IEEE Transactions on](#)

Volume 50, Issue 8, Aug. 2002 Page(s):1217 - 1223

Digital Object Identifier 10.1109/TCOMM.2002.801502

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(357 KB\)](#) IEEE JNL
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6. Analysis of the linear SIC for DS/CDMA signals with random spreading
Kuei-Chiang Lai; Shynk, J.J.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
Volume 52, Issue 12, Dec. 2004 Page(s):3417 - 3428
Digital Object Identifier 10.1109/TSP.2004.837435
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(640 KB\)](#) IEEE JNL
[Rights and Permissions](#)

7. A Very Near Optimum Interference Cancellation Algorithm for CDMA Signals
Ebrahim Karami; Mohsen Shiva;
[Personal, Indoor and Mobile Radio Communications, 2006 IEEE 17th International Symposium on](#)
Sept. 2006 Page(s):1 - 5
Digital Object Identifier 10.1109/PIMRC.2006.254329
[AbstractPlus](#) | Full Text: [PDF\(2107 KB\)](#) IEEE CNF
[Rights and Permissions](#)

8. A threshold-based linear parallel interference canceller on fading channels
Tikiya, V.; Chockalingam, A.;
[Wireless Communications and Networking Conference, 2005 IEEE](#)
Volume 2, 13-17 March 2005 Page(s):917 - 921 Vol. 2
Digital Object Identifier 10.1109/WCNC.2005.1424630
[AbstractPlus](#) | Full Text: [PDF\(1807 KB\)](#) IEEE CNF
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9. Complexity and efficiency of data detection algorithms for TD-SCDMA
Jung-Lin Pan; Jaeyoung Kwak; Bultan, A.; Yuejin Huang; Grieco, D.;
[Personal, Indoor and Mobile Radio Communications, 2004. PIMRC 2004. 15th International Symposium on](#)
Volume 2, 5-8 Sept. 2004 Page(s):1287 - 1291 Vol.2
[AbstractPlus](#) | Full Text: [PDF\(392 KB\)](#) IEEE CNF
[Rights and Permissions](#)

10. Nonlinear multistage multiple access interference cancellation receiver for DS/CDMA communication systems
Feng, X.; Tsimenidis, C.C.; Hinton, O.R.; Sharif, B.S.;
[Vehicular Technology Conference, 2003. VTC 2003-Fall. 2003 IEEE 58th](#)
Volume 2, 6-9 Oct. 2003 Page(s):1114 - 1118 Vol.2
[AbstractPlus](#) | Full Text: [PDF\(304 KB\)](#) IEEE CNF
[Rights and Permissions](#)

11. Performance of multistage interference cancellers in space-time coded CDMA
Alam, M.M.; Chockalingam, A.;
[TENCON 2003. Conference on Convergent Technologies for Asia-Pacific Region](#)
Volume 1, 15-17 Oct. 2003 Page(s):137 - 141 Vol.1
Digital Object Identifier 10.1109/TENCON.2003.1273262
[AbstractPlus](#) | Full Text: [PDF\(393 KB\)](#) IEEE CNF
[Rights and Permissions](#)

12. Path-time coding for downlink multi-user CDMA over multipath channels
Chung-Lien Ho; Jwo-Yuh Wu; Ta-Sung Lee;
[Vehicular Technology Conference, 2003. VTC 2003-Spring. The 57th IEEE Se](#)
Volume 3, 22-25 April 2003 Page(s):1925 - 1929 vol.3
[AbstractPlus](#) | Full Text: [PDF\(372 KB\)](#) IEEE CNF

Rights and Permissions

13. Multirate SIC receiver with several amplitude estimation methods for UMTS
Barbancho, I.; Barbancho, A.M.; Tardon, L.J.; Emtrambasaguas, J.T.;
Vehicular Technology Conference, 2003. VTC 2003-Spring. The 57th IEEE Se
Volume 3, 22-25 April 2003 Page(s):1910 - 1914 vol.3
[AbstractPlus](#) | Full Text: [PDF\(361 KB\)](#) IEEE CNF
[Rights and Permissions](#)

14. Performance analysis of Volterra-based nonlinear blind multiuser detection systems
Guo Linlin; Puthusserypady, S.;
Wireless Communications and Networking, 2003. WCNC 2003. 2003 IEEE
Volume 1, 16-20 March 2003 Page(s):196 - 201 vol.1
Digital Object Identifier 10.1109/WCNC.2003.1200344
[AbstractPlus](#) | Full Text: [PDF\(338 KB\)](#) IEEE CNF
[Rights and Permissions](#)

15. Performance improvement in wireless system due to parallel interference cancellation (PIC) algorithm
Garg, V.K.; Seshadri, A.;
Personal Wireless Communications, 2002 IEEE International Conference on
15-17 Dec. 2002 Page(s):243 - 249
Digital Object Identifier 10.1109/ICPWC.2002.1177286
[AbstractPlus](#) | Full Text: [PDF\(463 KB\)](#) IEEE CNF
[Rights and Permissions](#)

16. Uplink interference analysis of LMDS networks applying CDMA with interference cancellation
Novak, C.; Toth, D.; Bito, J.;
Spread Spectrum Techniques and Applications, 2002 IEEE Seventh International
Volume 1, 2002 Page(s):288 - 292 vol.1
Digital Object Identifier 10.1109/ISSSTA.2002.1049332
[AbstractPlus](#) | Full Text: [PDF\(469 KB\)](#) IEEE CNF
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17. Objective function based group-wise successive interference cancellation in dual-rate DS-CDMA system
Seung Hee Han; Jae Hong Lee;
Vehicular Technology Conference, 2002. VTC Spring 2002. IEEE 55th
Volume 4, 6-9 May 2002 Page(s):1685 - 1688 vol.4
Digital Object Identifier 10.1109/VTC.2002.1002907
[AbstractPlus](#) | Full Text: [PDF\(454 KB\)](#) IEEE CNF
[Rights and Permissions](#)

18. Adaptive multistage space-time receiver for DS/CDMA systems
Al-dabbous, N.A.; Sharif, B.S.;
Vehicular Technology Conference, 2001. VTC 2001 Fall. IEEE VTS 54th
Volume 4, 7-11 Oct. 2001 Page(s):2086 - 2089 vol.4
Digital Object Identifier 10.1109/VTCS.2001.957112
[AbstractPlus](#) | Full Text: [PDF\(232 KB\)](#) IEEE CNF
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19. Performance of iterative DS-CDMA m-ary demodulation in the presence of synchronization errors
Pei Xiao; Strom, E.;
Vehicular Technology Conference, 2001. VTC 2001 Spring. IEEE VTS 53rd
Volume 3, 6-9 May 2001 Page(s):1703 - 1707 vol.3

Digital Object Identifier 10.1109/VETECS.2001.944985

[AbstractPlus](#) | Full Text: [PDF\(340 KB\)](#) IEEE CNF

[Rights and Permissions](#)

20. An agent-based scheme for interference cancellation in a DS/CDMA system
Jiann-Liang Chen; Ming-Huang Yang; Po-Yuen Cheng;
[Systems, Man, and Cybernetics, 2000 IEEE International Conference on](#)
Volume 1, 8-11 Oct. 2000 Page(s):437 - 442 vol.1
Digital Object Identifier 10.1109/ICSMC.2000.885031
[AbstractPlus](#) | Full Text: [PDF\(440 KB\)](#) IEEE CNF
[Rights and Permissions](#)

21. A multiple access/self interference canceller receiver for DS-CDMA multi-user over fading channels
Zazo, S.; Bader, F.; Paez-Borrallo, J.M.;
[Vehicular Technology Conference, 2000. IEEE VTS-Fall VTC 2000. 52nd](#)
Volume 4, 24-28 Sept. 2000 Page(s):1745 - 1750 vol.4
Digital Object Identifier 10.1109/VETECF.2000.886122
[AbstractPlus](#) | Full Text: [PDF\(312 KB\)](#) IEEE CNF
[Rights and Permissions](#)

22. MAI cancellation with commutation signaling
Marques da Silva, M.; Correia, A.;
[Vehicular Technology Conference Proceedings, 2000. VTC 2000-Spring Tokyo](#)
Volume 2, 15-18 May 2000 Page(s):1090 - 1094 vol.2
Digital Object Identifier 10.1109/VETECS.2000.851293
[AbstractPlus](#) | Full Text: [PDF\(460 KB\)](#) IEEE CNF
[Rights and Permissions](#)

23. Parallel interference cancellation with commutation signaling
da Silva, M.R.; Correia, A.;
[Communications, 2000. ICC 2000. 2000 IEEE International Conference on](#)
Volume 3, 18-22 June 2000 Page(s):1213 - 1217 vol.3
Digital Object Identifier 10.1109/ICC.2000.853692
[AbstractPlus](#) | Full Text: [PDF\(380 KB\)](#) IEEE CNF
[Rights and Permissions](#)

24. On the performance of the successive interference canceler for DS/CDMA
Kuei-Chiang Lai; Shynk, J.J.;
[Signals, Systems, and Computers, 1999. Conference Record of the Thirty-Third](#)
[Conference on](#)
Volume 2, 24-27 Oct. 1999 Page(s):1594 - 1600 vol.2
Digital Object Identifier 10.1109/ACSSC.1999.832017
[AbstractPlus](#) | Full Text: [PDF\(408 KB\)](#) IEEE CNF
[Rights and Permissions](#)

25. Asymptotically optimum multiuser decision feedback detection
Varanasi, M.K.;
[Information Theory, 1997. Proceedings., 1997 IEEE International Symposium on](#)
29 June-4 July 1997 Page(s):275
Digital Object Identifier 10.1109/ISIT.1997.613193
[AbstractPlus](#) | Full Text: [PDF\(108 KB\)](#) IEEE CNF
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Zoltowski, M.D.; Yung-Fang Chen; Ramos, J.;

[Military Communications Conference, 1996. MILCOM '96, Conference Proceedi](#)

Volume 2, 21-24 Oct. 1996 Page(s):618 - 622 vol.2

Digital Object Identifier 10.1109/MILCOM.1996.569421

[AbstractPlus](#) | Full Text: [PDF\(512 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#) **27. Blind multi-user access interference cancellation for CDMA based PCS/c****antenna arrays**

Zoltowski, M.D.; Ramos, J.;

[Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference Proc](#)[IEEE International Conference on](#)

Volume 5, 7-10 May 1996 Page(s):2730 - 2733 vol. 5

Digital Object Identifier 10.1109/ICASSP.1996.550117

[AbstractPlus](#) | Full Text: [PDF\(348 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#) **28. An improved multi-user CDMA decorrelating detector**

Bar-Ness, Y.; Punt, J.B.;

[Personal, Indoor and Mobile Radio Communications, 1995. PIMRC'95. 'Wirele](#)[the Information Superhighway', Sixth IEEE International Symposium on](#)

Volume 3, 27-29 Sept. 1995 Page(s):975

Digital Object Identifier 10.1109/PIMRC.1995.477089

[AbstractPlus](#) | Full Text: [PDF\(336 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#) **29. Performance analysis of the multi-user receiver exploited in MC-CDMA s**

Luan, Y.Z.; Yang, J.W.; Sun, Y.C.; Li, J.D.;

[3G Mobile Communication Technologies, 2001. Second International Conference](#)[Publ. No. 477\)](#)

26-28 March 2001 Page(s):378 - 382

[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) [IET CNF](#) **30. Comparative study of interference cancellation schemes in multi-user de**

Koulakiotis, D.; Aghvami, A.H.;

[CDMA Techniques and Applications for Third Generation Mobile Systems \(Dig](#)

1997/129), IEE Colloquium on
19 May 1997 Page(s):10/1 - 10/7
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